COPY OF PAPERS
ORIGINALLY FILED

Customer Number: 000959

Attorney's
Docket
Number MMI-003**Declaration, Petition and Power of Attorney for Patent Application**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE

the specification of which:

(check one)

☐ is attached hereto.☒ was filed on December 14, 2001 as:☒ Application Serial No. 10/017,721☐ and was amended on _____
(if applicable)

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James E. Cockfield	Reg. No. 19,162	Jeremiah Lynch	Reg. No. 17,425
Thomas V. Smurzynski	Reg. No. 24,798	David J. Ridders	Reg. No. 43,882
Ralph A. Loren	Reg. No. 29,325	Maria C. Laccorripe	Limited Recognition
Giulio A. DeConti, Jr.	Reg. No. 31,503		Under 37 C.F.R. § 10.9(b)
Ann Lamport Hammitte	Reg. No. 34,858	Debra J. Milasincic	Reg. No. 46,931
Elizabeth A. Hanley	Reg. No. 33,505	David R. Burns	Reg. No. 46,590
Amy E. Mandragouras	Reg. No. 36,207	Sean D. Derweiler	Reg. No. 42,482
Anthony A. Laurentano	Reg. No. 38,220	Cynthia L. Kanik	Reg. No. 37,320
Kevin J. Canning	Reg. No. 35,470	Theodore R. West	Reg. No. 47,202
Jane E. Remillard	Reg. No. 38,872	Shayne Y. Huff	Reg. No. 44,784
DeAnn F. Smith	Reg. No. 36,683	Hathaway Pease	Reg. No. 46,488
Peter C. Lauro	Reg. No. 32,360	Daniel B. Ko	Reg. No. 47,332
Jeanne M. DiGiorgio	Reg. No. 41,710	John S. Curran	Reg. No. 50,445
Megan E. Williams	Reg. No. 43,270		

all of: LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

and to: Mark Boshar Reg. No. 35,456

of: VITIVITY, INC., One Kendall Square, Building 700, Cambridge, MA 02139

and to: Patricia Granahan Reg. No. 32,227

of: WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH, 9 Cambridge Center,
Cambridge, MA 02142

Send Correspondence to DeAnn F. Smith, Esq. at Customer Number: 000959 whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

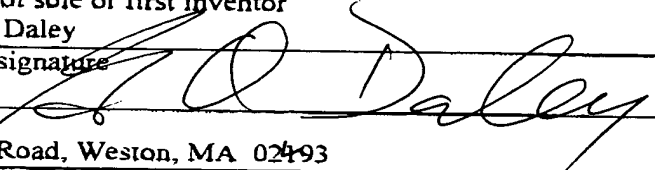
Direct Telephone Calls to:

DeAnn F. Smith, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jeanette McCarthy	
Inventor's signature	Date
Residence 3625 Dupont Street, San Diego, California 92106	
Citizenship US	
Post Office Address (if different)	

Full name of sole or first inventor George Q. Daley	
Inventor's signature 	Date 7/19/02
Residence 50 Young Road, Weston, MA 02493	
Citizenship US	
Post Office Address (if different)	

Full name of sole or first inventor Stacey Bolk Gabriel	
Inventor's signature	Date
Residence One Stimson Avenue, Lexington, Massachusetts 02421	
Citizenship US	
Post Office Address (if different)	

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

(Application Serial No.)

(Filing Date)

(Status)
(patented,pending,aband.)

(Application Serial No.)

(Filing Date)

(Status)
(patented,pending,aband.)

CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one:

☒ no such applications have been filed.

☐ such applications have been filed as follows:

**EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

**ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION**

CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/317,033

(Application Serial No.)

September 4, 2001

(Filing Date)

60/330,248

(Application Serial No.)

October 17, 2001

(Filing Date)



COPY OF PAPERS
ORIGINALLY FILED

Customer Number: 000959

Attorney's
Docket
Number MMI-003

Declaration, Petition and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE

the specification of which:

(check one)

☐ is attached hereto.

☒ was filed on December 14, 2001 as:

☒ Application Serial No. 10/017,721

☐ and was amended on _____
(if applicable)

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James E. Cockfield
Thomas V. Smurzynski
Ralph A. Loren
Giulio A. DeConti, Jr.
Ann Lamport Hammitte
Elizabeth A. Hanley
Amy E. Mandragouras
Anthony A. Laurentano
Kevin J. Canning
Jane E. Remillard
DeAnn F. Smith
Peter C. Lauro
Jeanne M. DiGiorgio
Megan E. Williams

Reg. No. 19,162
Reg. No. 24,798
Reg. No. 29,325
Reg. No. 31,503
Reg. No. 34,858
Reg. No. 33,505
Reg. No. 36,207
Reg. No. 38,220
Reg. No. 35,470
Reg. No. 38,872
Reg. No. 36,683
Reg. No. 32,360
Reg. No. 41,710
Reg. No. 43,270

Jeremiah Lynch
David J. Ridders
Maria C. Laccotripe

Debra J. Milasincic
David R. Burns
Sean D. Detweiler
Cynthia L. Kanik
Theodore R. West
Shayne Y. Huff
Hathaway Pease
Daniel B. Ko
John S. Curran

Reg. No. 17,425
Reg. No. 43,882
Limited Recognition
Under 37 C.F.R. § 10.9(b)
Reg. No. 46,931
Reg. No. 46,590
Reg. No. 42,482
Reg. No. 37,320
Reg. No. 47,202
Reg. No. 44,784
Reg. No. 46,488
Reg. No. 47,332
Reg. No. 50,445

all of: LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

and to: Mark Boshar Reg. No. 35,456

of: VITIVITY, INC., One Kendall Square, Building 700, Cambridge, MA 02139

and to: Patricia Granahan Reg. No. 32,227

of: WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH, 9 Cambridge Center,
Cambridge, MA 02142

Send Correspondence to DeAnn F. Smith, Esq. at Customer Number: 000959 whose address is:

LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to:

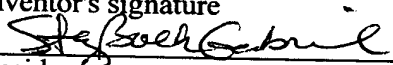
DeAnn F. Smith, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jeanette McCarthy	
Inventor's signature	Date
Residence 3625 Dupont Street, San Diego, California 92106	
Citizenship US	
Post Office Address (if different)	

Full name of sole or first inventor George Q. Daley	
Inventor's signature	Date
Residence 50 Young Road, Weston, MA 02193	
Citizenship US	
Post Office Address (if different)	

Full name of sole or first inventor Stacey Bolk Gabriel	
Inventor's signature 	Date 5/23/02
Residence One Stimson Avenue, Lexington, Massachusetts 02421	
Citizenship US	
Post Office Address (if different)	

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

(Application Serial No.)

(Filing Date)

(Status)
(patented,pending,aband.)

(Application Serial No.)

(Filing Date)

(Status)
(patented,pending,aband.)

CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one:

☒ no such applications have been filed.

☐ such applications have been filed as follows:

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS (6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/317,033
(Application Serial No.)

September 4, 2001
(Filing Date)

60/330,248
(Application Serial No.)

October 17, 2001
(Filing Date)

Customer Number: 000959

Attorney's
Docket
Number MMI-003

Declaration, Petition and Power of Attorney for Patent Application

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

DIAGNOSIS AND TREATMENT OF VASCULAR DISEASE

the specification of which

(check one)

X is attached hereto.

 was filed on _____ as

Application Serial No. _____

and was amended on _____
(if applicable)

I do not know and do not believe that the subject matter of this application was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date of this application, or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date of this application on an application filed more than twelve months (six months if this application is for a design) before the filing of this application; and I acknowledge my duty to disclose information of which I am aware which is material to the examination of this application, that no application for patent or inventor's certificate on the subject matter of this application has been filed by me or my representatives or assigns in any country foreign to the United States, except those identified below, and that I have reviewed and understand the contents of the specification, including the claims as amended by any amendment referred to herein.

I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorneys and/or agents to prosecute this application and transact all business in the Patent and Trademark Office connected therewith.

James E. Cockfield	Reg. No. 19,162	Jeremiah Lynch	Reg. No. 17,425
Thomas V. Smurzynski	Reg. No. 24,798	David J. Rikkers	Reg. No. 43,882
Ralph A. Loren	Reg. No. 29,325	Maria C. Laccotripe	Limited Recognition
Giulio A. DeConti, Jr.	Reg. No. 31,503		Under 37 C.F.R. § 10.9(b)
Ann Lamport Hammitte	Reg. No. 34,858	Debra J. Milasincic	Reg. No. 46,931
Elizabeth A. Hanley	Reg. No. 33,505	David R. Burns	Reg. No. 46,590
Amy E. Mandragouras	Reg. No. 36,207	Sean D. Detweiler	Reg. No. 42,482
Anthony A. Laurentano	Reg. No. 38,220	Peter S. Stecher	Reg. No. 47,259
Kevin J. Canning	Reg. No. 35,470	Cynthia L. Kanik	Reg. No. 37,320
Jane E. Remillard	Reg. No. 38,872	Theodore R. West	Reg. No. 47,202
DeAnn F. Smith	Reg. No. 36,683	Shayne Y. Huff	Reg. No. 44,784
Peter C. Lauro	Reg. No. 32,360	Hathaway P. Russell	Reg. No. 46,488
Jeanne M. DiGiorgio	Reg. No. 41,710	Daniel B. Ko	Reg. No. 47,332
Megan E. Williams	Reg. No. 43,270		

all of: LAHIVE & COCKFIELD, LLP, 28 State Street, Boston, MA 02109

and to: Scott A. Brown	Reg. No. 32,724	Jean M. Silveri	Reg. No. 39,030
Kerri Pollard Schray	Reg. No. 47,066	Susan M. Perkins	Reg. No. 36,405
Theodore Allen	Reg. No. 41,578	Jill E. Uhl	Reg. No. 43,213

of: MILLENNIUM PHARMACEUTICALS, INC., 75 Sidney Street, Cambridge, MA 02139.

Send Correspondence to DeAnn F. Smith, Esq. at **Customer Number: 000959** whose address is:

Lahive & Cockfield, LLP, 28 State Street, Boston, MA 02109

Direct Telephone Calls to: (name and telephone number)

DeAnn F. Smith, Esq., (617) 227-7400

Wherefore I petition that letters patent be granted to me for the invention or discovery described and claimed in the attached specification and claims, and hereby subscribe my name to said specification and claims and to the foregoing declaration, power of attorney, and this petition.

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Jeanette McCarthy	
Inventor's signature <i>Jeanette McCarthy</i>	Date 12-13-01
Residence 3625 Dupont Street, San Diego, California 92106	
Citizenship US	
Post Office Address (if different)	

Full name of sole or first inventor George Daley	
Inventor's signature	Date
Residence 50 Young Road, Weston, MA 02193	
Citizenship US	
Post Office Address (if different)	

Full name of sole or first inventor Stacey Bolk	
Inventor's signature	Date
Residence 202 Baker Street, #1, West Roxbury, MA 02132	
Citizenship US	
Post Office Address (if different)	

CLAIM FOR BENEFIT OF EARLIER U.S./PCT APPLICATION(S)

I hereby claim the benefit under Title 35, United States Code, §120 of any earlier United States application(s) or PCT international application(s) designating the United States listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the earlier application(s) in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose to the Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date(s) of the earlier application(s) and the national or PCT international filing date of this application. As to subject matter of this application which is common to my earlier application(s), if any, described below, I do not know and do not believe that the same was known or used by others in the United States or patented or described in a printed publication in any country before my invention thereof, or patented or described in a printed publication in any country or in public use or on sale in the United States more than one year prior to the date(s) of said earlier application(s), or first patented or caused to be patented or made the subject of an inventor's certificate by me or my legal representatives or assigns in a country foreign to the United States prior to the date(s) of said earlier application(s) on an application filed more than twelve months (six months if this application is for a design) before the filing of said earlier application(s); and I acknowledge that no application for patent or inventor's certificate on said subject matter has been filed by me or my representatives or assigns in any country foreign to the United States except those identified herein.

_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented,pending,aband.)
_____ (Application Serial No.)	_____ (Filing Date)	_____ (Status) (patented,pending,aband.)

CLAIM FOR BENEFIT OF U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below.

60/317,033

(Application Serial No.)

September 4, 2001

(Filing Date)

60/330,248

(Application Serial No.)

October 17, 2001

(Filing Date)

60/317,033

CLAIM OF BENEFIT OF EARLIER FOREIGN APPLICATION(S)

I hereby claim priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below, and have also identified below any foreign application(s) for patent or inventor's certificate filed by me on the same subject matter having a filing date before that of the application(s) from which priority is claimed.

Check one:

☒ no such applications have been filed.

☐ such applications have been filed as follows

EARLIEST FOREIGN APPLICATION(S), IF ANY, FILED WITHIN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION

Country	Application Number	Date of Filing (month,day,year)	Priority Claimed Under 35 USC 119
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No
			<input type="checkbox"/> Yes <input type="checkbox"/> No

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO THIS U.S. APPLICATION
